DISCRETE APPLIED MATHEMATICS
Volume 78, Numbers 1–3, 21 October 1997

Abstracted/Indexed in: ACM Computing Reviews, Cambridge Scientific Abstracts, Current Contents: Physical, Chemical & Earth Sciences, Engineering Index/Compendex, INSPEC Information Services, International Abstracts in Operations Research, Mathematical Reviews, PASCAL, Science Citation Index, Statistical Theory and Method Abstracts, Zentralblatt für Mathematik.

Contents

Contributions

S.R. Arikati, A. Maheshwari and C.D. Zaroliagis
Efficient computation of implicit representations of sparse graphs 1

T.M. Barnes and C.D. Savage
Efficient generation of graphical partitions 17

K.A. Berman and Y. Liu
Generalized bicycles 27

M.-S. Chang and C.-C. Hsu
On minimum intersection of two minimum dominating sets of interval graphs 41

D.-Z. Du, B. Gao and W. Wu
A special case for subset interconnection designs 51

J. Fàbrega and M. Zaragozà
Fault-tolerant routings in double fixed-step networks 61

P. Fishburn, F.K. Hwang, D.Z. Du and B. Gao
On 1-rate wide-sense nonblocking for 3-stage Clos networks 75

P. Hansen, G. Storchi and T. Vovor
Paths with minimum range and ratio of arc lengths 89

T. Hasunuma and Y. Shibata
Embedding de Bruijn, Kautz and shuffle-exchange networks in books 103

K.I.-J. Ho, J.Y.-T. Leung and W.-D. Wei
Scheduling imprecise computation tasks with 0/1-contraint 117

G.Y. Katona
Edge disjoint Polyp Packing 133

S.-R. Kim and F.S. Roberts
Competition numbers of graphs with a small number of triangles 153

K.M. Koh and E.G. Tay
Optimal orientations of products of paths and cycles 163

G.J. Kyparisis and C. Koulamas
Open shop scheculing with maximal machines 175

H. Müller
Recognizing interval digraphs and interval bigraphs in polynomial time 189

M. Natu and S.-C. Fang
The point-to-point connection problem — analysis and algorithms 207

J.-H. Yan, G.J. Chang, S.M. Hedetniemi and S.T. Hedetniemi
k-Path partitions in trees 227

B. von Stengel and R. Werchner
Complexity of searching an immobile hider in a graph 235

J.P. Warners, T. Terlaky, C. Roos and B. Jansen
A potential reduction approach to the frequency assignment problem 251

R.B. Hayward
Meyniel weakly triangulated graphs II: A theorem of Dirac 283

W.N. Li
Two-Segmented channel routing is strong NP-complete 291

Book Announcements 299

Author Index 303